1FW

<u> </u>	_			
ANSMITTAL FO	DM	Application No.	10/737,398	
		Filing Date	December 16, 2003	
(to be used for all correspondence after initial filing)		First Named Inventor	Young-Doo KIM	
		Art Unit	2611	
		Examiner Name	Tran, Khai	
Total Number of Pages in This Submission	11	Attorney Docket Number	51876P442	

ENCLOSURES (check all that apply)						
Fee Transmittal	Form	Drawing(s)	After Allowance Communication to TC			
Fee Attac	hed	Licensing-related Papers	Appeal Communication to Board of Appeals and Interferences			
Amendment / Re	eply	Petition	Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)			
After Final Affidavits/declaration(s) Extension of Time Request Express Abandonment Request		Petition to Convert a Provisional Application	Proprietary Information Status Letter			
		Power of Attorney, Revocation Change of Correspondence Address				
		Terminal Disclaimer	Other Enclosure(s) (please identify below):			
Information Disclosure Statement		Request for Refund	return postcard			
PTO/SB/0	08	CD, Number of CD(s)				
Certified Copy of Priority Document(s)		Landscape Table on CD				
Response to Mis Incomplete Appli	ssing Parts/ ication	Remarks				
Basic Filing Fee		Remarks				
Decla	aration/POA	·				
Response Parts und 1.52 or 1.5	e to Missing er 37 CFR 53					
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT						
Firm or	Eric S. Hyman, Reg. No. 30,139					
Individual name BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP						
Signature						
Date Y 4/15/W						
CERTIFICATE OF MAILING/TRANSMISSION						
I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.						
Typed or printed na	ame Linda Metz					
Signature / Wide that			Date 4-16-08			

Based on PTO/SB/21 (10-07) as modified by Blakely, Solokoff, Taylor & Zafman (wtr) 10/05/2007. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

BEE TOANON	UTTAI	Complete if Known		
PADEN PEE TRANSIV	HILIAL	Application Number	10/737,398 December 16, 2003	
for FY 20	07	Filing Date		
Patent fees are subject to annual	revision.	First Named Inventor	Young-Doo KIM	
Applicant claims small entity status.	See 37 CFR 1.27.	Examiner Name	Tran, Khai	
		Art Unit	2611	
TOTAL AMOUNT OF PAYMENT	(\$) 0.00	Attorney Docket No.	51876P442	

Check Credit card Money Order None Other (please identify):	METHOD OF PAYMENT (check all that apply)							
Deposit Account Deposit Account Number: 02-2666 Deposit Account Name: Blakely, Sokoloff, Taylor & Zafman LLP For the above-identified deposit account, the Director is hereby authorized to: (check all that apply) Charge fee(s) indicated below	☐ Check ☐ Credit c	ard Money Order None Other (please identify):						
For the above-identified deposit account, the Director is hereby authorized to: (check all that apply) Charge fee(s) indicated below, except for the filing fee Charge any additional fee(s) or underpayment of fee(s) Any concurrent or future reply that requires a petition for extension of time should be treated as incorporating an appropriate petition for extension of time and all required fees should be charged. FEE CALCULATION	Deposit Account I	Deposit Account Number: 02-2666 Deposit Account Name: Blakely, Sokoloff, Taylor & Zafman LLI						
Charge fee(s) indicated below Charge fee(s) indicated below, except for the filing fee Charge fee(s) indicated below, except for the filing fee Charge fee(s) indicated below, except for the filing fee Charge fee(s) or underpayment of fee(s) Charge fee	For the above-ide	ntified deposit account, the Director is hereby authorized to: (check all that apply)						
Charge fee(s) indicated below, except for the filing fee Charge any additional fee(s) or underpayment of fee(s) during the pendency of this application. Charge any additional fee(s) or underpayment of fee(s) during the pendency of this application. Charge any additional fee(s) or underpayment of fee(s) during the pendency of this application. Charge any additional fee(s) or underpayment of fee(s) during the pendency of this application. Charge any additional fee(s) or underpayment of fee(s) during the pendency of this application. Charge any additional fee(s) or underpayment of fee(s) Charge any additional fee(s) or extension of time and all required fees should be charged. Fee Fee Charge any additional fee(s) or underpayment of fee padditional fees should be charged. Charge any additional fee(s) or extension of time and all required fees should be charged. Fee Paid Charge any additional fee(s) or extension of time and all required fees should be charged. Fee Paid Charge any additional fee(s) or extension of time and all required fees should be charged. Charge any additional fee fee fee Paid Charge any additional fee fee fee paid appropriate patient should be treated as incorporating appropriate patient should be charged. Charge any additional fee fee fee fee fee fee fee paid appropriate patient should be charged. Charge any additional fee fee fee fee fee fee fee fee fee fe								
Charge any additional fee(s) or underpayment of fee(s) during the pendency of this application. EXTRA CLAIM FEES								
during the pendency of this application. FEE CALCULATION 1. EXTRA CLAIM FEES Colaims Total Claims Total Cla								
Total Claims	during the pendency of this application appropriate petition for extension of time and all required							
Total Claims	fees should be charged.							
Total Claims	FEE CALCULATION	FEE CALCULATION						
Total Claims	1. EXTRA CLAIM	FEES						
Nutriple Dependent		Extra Fee from						
Large Entity	18	20" = 0 x 25.00 = \$0.00						
Test	Independent Claims 7	7 = 0 x 105.00 = \$0.00						
Fee	Multiple Dependent	<u> </u>						
Code (\$)	Large Entity Small E	ntity						
1202 50 2202 25 Claims in excess of 20 1201								
1203 370 203 165 Multiple Dependent claim, if not paid 1205 810 2204 405 **Reissue claims in excess of 20 and over original patent **or number previously paid, if greater, For Reissues, see below SUBTOTAL (1) (\$) 0.00	\' <u>'</u>							
### 1204 # 810 2204 # 405 ***Reissue independent daims over original patent		·						
205 810 205 405 **Reissue claims in excess of 20 and over original patient SUBTOTAL (1) (\$) 0.00		405 **Reissue independent claims over original patent **or number previously paid if greater. For Reissues, see below						
2 ADDITIONAL FEES Large Entity Small Entity Fee Fee (s) Fee Fee (s) Fee Paid 1051 130 2051 65 Surcharge - late filing fee or oath 1052 50 2052 25 Surcharge - late provisional filing fee or cover sheet. 2053 130 2053 130 Non-English specification 1251 120 2251 60 Extension for reply within first month 1252 460 2252 230 Extension for reply within second month 1253 1,050 2253 525 Extension for reply within fourth month 1254 1,640 2254 820 Extension for reply within furth month 1255 2,230 2255 1,115 Extension for reply within firth month 1401 510 2401 255 Notice of Appeal 1402 1510 2402 255 Filing a brief in support of en appeal 1403 1,030 2403 515 Request for oral hearing 1401 1,510 2451 1,510 Petition to institute a public use proceeding 1401 1,510 2451 1,510 Petition to the Commissioner 1407 50 1807 50 Processing fee under 37 CFR § 1.129(a) 1809 810 1809 405 Filing a submission of Information Disclosure Stmt 1809 810 1809 405 Filing a submission of Information to be examined (37 CFR § 1.129(b)) Other fee (specify)	1205 810 2205	405 Theissue claims in excess of 20 and over onginal patent						
Fee	1.57							
Code (\$) Code (\$) Fee Description Fee Paid								
1051 130 2051 65 Surcharge - late filing fee or oath		141						
1052 50 2052 25 Surcharge - late provisional filing fee or cover sheet. 2053 130 2053 130 Non-English specification 1251 120 2251 60 Extension for reply within first month 1252 460 2252 230 Extension for reply within second month 1253 1,050 2253 525 Extension for reply within fourth month 1254 1,640 2254 820 Extension for reply within fourth month 1255 2,230 2255 1,115 Extension for reply within fifth month 1401 510 2401 255 Notice of Appeal 1402 510 2402 255 Filing a brief in support of an appeal 1403 1,030 2403 515 Request for oral hearing 1451 1,510 2451 1,510 Petition to institute a public use proceeding 1460 130 2460 130 Petitions to the Commissioner 1807 50 1807 50 Processing fee under 37 CFR 1,17(q) 1806 180 180 405 Filing a submission after final rejection (37 CFR § 1,129(a)) 1810 810 2810 405 For each additional invention to be examined (37 CFR § 1,129(b))	Code (\$) Code	Fee Description Fee Paid						
2053 130 2053 130 Non-English specification 1251 120 2251 60 Extension for reply within first month 1252 460 2252 230 Extension for reply within second month 1253 1,050 2253 525 Extension for reply within fronth 1254 1,640 2254 820 Extension for reply within fourth month 1255 2,230 2255 1,115 Extension for reply within firth month 1401 510 2401 255 Notice of Appeal 1402 510 2402 255 Filling a brief in support of an appeal 1403 1,030 2403 515 Request for oral hearing 1451 1,510 2451 1,510 Petition to institute a public use proceeding 1460 130 2461 130 Petitions to the Commissioner 1807 50 1807 50 Processing fee under 37 CFR 1.17(q) 1806 180 180 810 1808 Submission of Information Disclosure Stmt 1809 810 1809 405 Filing a submission after final rejection (37 CFR § 1.129(a)) Other fee (specify)								
1251 120 2251 60 Extension for reply within first month 1252 460 2252 230 Extension for reply within second month 1253 1,050 2253 525 Extension for reply within fronth 1254 1,640 2254 820 Extension for reply within fourth month 1255 2,230 2255 1,115 Extension for reply within fifth month 1401 510 2401 255 Notice of Appeal 1402 510 2402 255 Filing a brief in support of en appeal 1403 1,030 2403 515 Request for oral hearing 1451 1,510 2451 1,510 Petition to institute a public use proceeding 1460 130 2461 130 Petitions to the Commissioner 1807 50 1807 50 Processing fee under 37 CFR 1.17(q) 1806 180 180 810 1808 Submission of Information Disclosure Stmt 1809 810 1809 405 Filing a submission after final rejection (37 CFR § 1.129(a)) Other fee (specify)	l l	!						
1253 1,050 2253 525 Extension for reply within third month 1254 1,640 2254 820 Extension for reply within fourth month 1255 2,230 2255 1,115 Extension for reply within fifth month 1401 510 2401 255 Notice of Appeal 1402 510 2402 255 Filing a brief in support of an appeal 1403 1,030 2403 515 Request for oral hearing 1451 1,510 2451 1,510 Petition to institute a public use proceeding 1460 130 2460 130 Petitions to the Commissioner 1807 50 1807 5 Processing fee under 37 CFR 1.17(q) 1806 180 1806 180 Submission of Information Disclosure Stmt 1809 810 1809 405 Filing a submission after final rejection (37 CFR § 1.129(a)) Other fee (specify)		60 Extension for reply within first month						
1254 1,640 2254 820 Extension for reply within fourth month 1255 2,230 2401 255 1,115 Extension for reply within fifth month 1401 510 2401 255 Notice of Appeal 1402 510 2402 255 Filing a brief in support of an appeal 1403 1,030 2403 515 Request for oral hearing 1451 1,510 2451 1,510 Petition to institute a public use proceeding 1460 130 2460 130 Petitions to the Commissioner 1807 50 1807 50 Processing fee under 37 CFR 1.17(q) 1806 180 1806 180 Submission of Information Disclosure Stmt 1809 810 1809 405 Filing a submission after final rejection (37 CFR § 1.129(a)) Other fee (specify)		· · · · · · · · · · · · · · · · · · ·						
1401 510 2401 255 Notice of Appeal 1402 510 2402 255 Filing a brief in support of an appeal 1403 1,030 2403 515 Request for oral hearing 1451 1,510 2451 1,510 Petition to institute a public use proceeding 1460 130 2460 130 Petitions to the Commissioner 1807 50 1807 50 Processing fee under 37 CFR 1.17(q) 1806 180 180 180 Submission of Information Disclosure Stmt 1809 810 1809 405 Filing a submission after final rejection (37 CFR § 1.129(a)) 1810 810 2810 405 For each additional invention to be examined (37 CFR § 1.129(b))	1254 1,640 2254	820 Extension for reply within fourth month						
1402 510 2402 255 Filing a brief in support of an appeal 1403 1,030 2403 515 Request for oral hearing 1451 1,510 2451 1,510 Petition to institute a public use proceeding 1807 50 1807 50 Petitions to the Commissioner 1806 180 180 180 50 Processing fee under 37 CFR 1.17(q) 1809 810 1808 Submission of Information Disclosure Stmt 1810 810 405 Filing a submission after final rejection (37 CFR § 1.129(a)) Other fee (specify) 2810 405 For each additional invention to be examined (37 CFR § 1.129(b))	· · · · · · · · · · · · · · · · · · ·							
1403 1,030 2403 515 Request for oral hearing 1451 1,510 2451 1,510 Petition to institute a public use proceeding 1460 130 2460 130 Petitions to the Commissioner 1807 50 1805 50 Processing fee under 37 CFR 1.17(q) 1808 180 180 Submission of Information Disclosure Stmt 1809 810 1809 405 Filing a submission after final rejection (37 CFR § 1.129(a)) 1810 810 2810 405 For each additional invention to be examined (37 CFR § 1.129(b))								
1460 130 2460 130 Petitions to the Commissioner 1807 50 1807 50 Processing fee under 37 CFR 1.17(q) 1806 180 1806 180 Submission of Information Disclosure Stmt 1809 810 405 Filing a submission after final rejection (37 CFR § 1.129(a)) 1810 810 2810 405 For each additional invention to be examined (37 CFR § 1.129(b)) Other fee (specify)	1403 1,030 2403							
1807 50								
1805 180 1806 180 Submission of Information Disclosure Stmt 1809 810 1809 405 Filing a submission after final rejection (37 CFR § 1.129(a)) 1810 810 2810 405 For each additional invention to be examined (37 CFR § 1.129(b)) Other fee (specify)								
1809 810 1809 405 Filing a submission after final rejection (37 CFR § 1.129(a)) 1810 810 2810 405 For each additional invention to be examined (37 CFR § 1.129(b)) Other fee (specify)								
Other fee (specify)	1809 810 1809	405 Filing a submission after final rejection (37 CFR § 1.129(a))						
··· ·· ·· · · · · · · · · · · · · · ·		405 For each additional invention to be examined (37 CFR § 1.129(b))						
SUBTOTAL (2)	Other fee (specify)							
		SUBTOTAL (2)						

SUBMITTED BY Complete (if applicable)							
Name (Print/Type)	Eric S. Hyman	al /		Registration No. (Attorney/Agent)	30,139	Telephone	(310) 207-3800
Signature	7	107/				Date	9/14/04

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE In restroplication of: Young-Doo Kim et al., Application No. 10/737,398 Application No. 10/737,398 For: APPARATUS AND METHOD FOR ADAPTIVELY MODULATING SIGNAL BY USING LAYERED TIME-SPACE DETECTOR USED IN MIMO SYSTEM IN THE UNITED STATES PATENT AND TRADEMARK OFFICE Continued to the continue of t

RESPONSE TO OFFICE ACTION

Mail Stop: Amendments Commissioner for Patents P.O. Box 1450 Arlington, VA 22313-1450

Dear Sir:

This is in response to the Office Action mailed January 16, 2008.